

CYPHERS COMPANY'S ADAPTABLE BROODING HOVER SELF-REGULATING AND SELF-VENTILATING

TAKE a common goods box or packing case, one that is 3 x 3 feet by 24 inches high, or larger; remove the cover, nail two cleats opposite each other on the inside of the box at points where, when the box is turned upside down, the tops of these cleats will be seven inches above the ground, then use the cover boards of the box for the floor of this home-made brooder case.

Now turn the box over, bottom upward, and cut a 9 x 12 or 9 x 18-inch opening in one side or end, the lower edge of this opening to be four or five inches above the level of the floor, and then nail a strip of stout, closely woven muslin over the opening. Beside this curtained window cut a smaller opening, 4 x 6 inches in size, the lower edge to be two inches above the level of the floor, and by the use of leather hinges attach a wooden door that will entirely cover this opening with an inch lap on all sides.

Next cut a square opening, 6 x 7 inches, in the back of the brooder case, in the side or end opposite the window, and attach to case the fireproof heater section and all-metal lamp box of the Cyphers Company Adaptable Hover, cutting this opening at a point that will bring the connecting pipes of the heater section on a level with the pipes of the hover section when the legs of the latter stand on the floor of the brooder case.

Lastly, cover the top (formerly the bottom) of the goods box with roofing paper, or any other waterproof material, bringing this material down over the four sides of the brooder case, so it will keep out wind and rain. Then batten up any cracks or other useless openings that may let in drafts, cover the floor with an inch or so of sand or fresh loam, and you will have a 50 to 75-chick brooder that for a two-apartment "chick home" will be better, as judged by the good work it will do, than nine out of ten of the factory-made brooders now on sale in America or elsewhere.

This home-made brooder case can be changed to suit the wishes or convenience of the owner or operator.

A piano or organ box can be used to excellent advantage; placing one of these large boxes on its side and dividing it with a partition through the middle from front to back, thus providing a hover chamber and an exercising apartment, each to have a window at the correct height above the floor. Instead of tacking the muslin over the window openings it is better to attach it to wooden frames, and either slide or button these frames in place or swing them on hinges.

In northern latitudes, or for use early in the season when the weather is quite cold, glass windows can be used. Window guards made of one-inch-mesh poultry netting tacked on frames can be used in the same manner as the muslin frames, and will serve to keep the chicks indoors when the curtain is removed and to admit fresh air as the nights grow warm later in the season.

Another good idea is to locate the chick exit (the 4 x 6-inch opening) in the east end of the brooder case, treating the window-side of the case as the south side—in which direction the window should face—and then supply a covered chick-run or chick-shelter, see picture of Cyphers Company Chick Shelter on page four of this sheet. Such a run-way and shelter can be made easily by any person who is handy with tools. A few

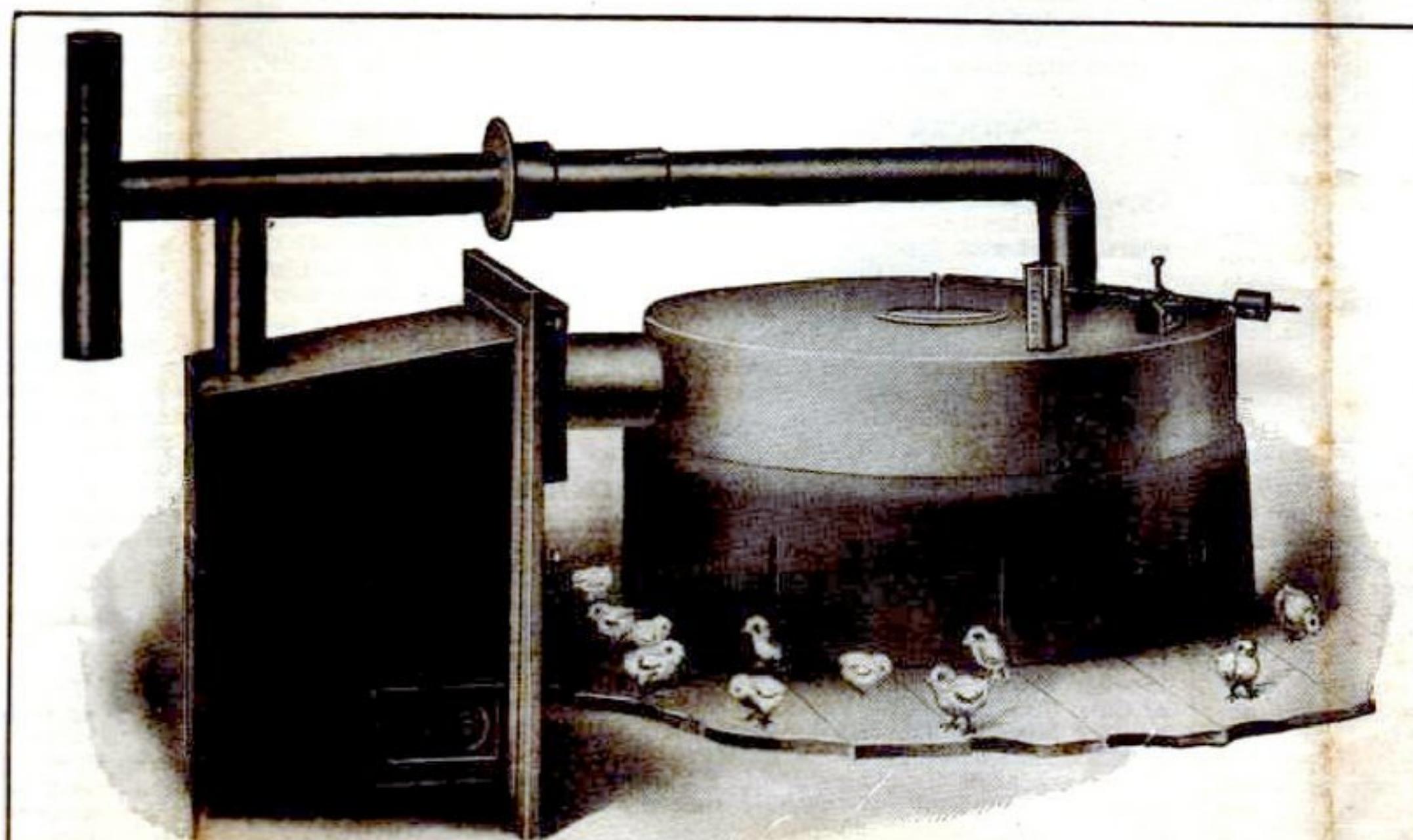
boards, some one-inch-mesh poultry netting, some nails and brads and a saw and hammer are all that is needed. Old boards and some stakes to drive in the ground will almost answer the purpose—except that some kind of a simple roof is required to turn away most of the rain.

Brooder cases of any size and shape can readily be made by a man or boy who can handle a saw and hammer. Thousands of Cyphers Company customers build their own brooder cases, then equip them with Cyphers Company Adaptable Hovers, and this combination gives them high-class, efficient, self-regulating, self-ventilating, absolutely fireproof brooders at very low cost. These cases should not be smaller in size (for best results) than 3 x 3 feet in floor measurement by 24 inches high at the back, but they can be made as much larger as the builder may desire, giving room for one apartment only—that containing the hover—or for two apartments, the brooding chamber and an exercising apartment.

A convenient size for the exercising apartment is 3 x 3 feet. Two goods boxes can be set side by side and a connection made, thus providing the two apartments in a simple and inexpensive manner, and to the goods box that does not contain the brooding hover a chick-run or chick-shelter can be joined—then the caretaker will have a place for 50 to 75 small chicks that chamber and an exercising apartment.

will give them all the room they need, night and day, and still keep the chicks under complete control—contented and happy and safe from enemies.

Please read the following sample reports—they are from men and women WHO KNOW—from successful poultry raisers who have put our claims to the test and have found the Cyphers Company Adaptable Hover to be exactly as represented:



ADAPTABLE BROODING HOVER

Cyphers Company's Complete Self-Regulating, Self-Ventilating, All-Metal, Fireproof and Insurable Brooding Hover. Used in Cyphers Outdoor and Indoor Brooders, All Sizes and Styles. Designed Specially for Use in Home-Made Brooders, also in Roosting Coops, Colony Houses, Etc.

USED IN HOME-MADE CASES

"THIRD SEASON'S EXPERIENCE"

MIRROR LAKE, N. H., May 23, 1911.

Cyphers Incubator Company, Buffalo, N. Y.
This is my third season's experience with your Self-Regulating Adaptable Hovers. I attached them to home-made colony houses. These houses are cheaply constructed affairs, with 6 x 4 ft. floor space, apex roof covered with tar paper, small window on one end and door on the other end. While I do not claim these houses are as handy as your Style B Outdoor Brooders, which are equipped with the same identical Hover, I do claim that these Adaptable Hovers take care of my hatches, even with an outside temperature as low as zero. When the low cost, durability, simplicity of adjustment and excellent work of these Hovers are considered I am satisfied that poultry raisers are making a mistake if they do not give them a trial.

C. O. DORE.

"WORKED TO PERFECTION"

GLENDALE, L. I., N. Y., September 29, 1911.

Cyphers Incubator Company, Buffalo, N. Y.
You will be interested to know that the Adaptable Hover I bought from you last February has worked to perfection. I built a home-made brooder, 3 feet wide, 19 feet long and 3 feet high. Have placed six windows in this brooder, which furnishes an abundant supply of sunlight throughout its entire length. The brooder is partitioned into three sections, the Adaptable Hover being placed at one end. I am an invalid, with both of my feet paralyzed, which hinders me considerably in my work, and I could not be bothered with a brooder that does not work satisfactorily.

WM. GIEGERICH.

"LOST HALF THE CHICKS WITH CHEAP BROODER"

MARLINTON, W. Va., June 19, 1911.

Cyphers Incubator Company, Buffalo, N. Y.
I have my Adaptable Hover installed in a home-made brooder. Through the cold spring months I had it set in a brooder house, but as the weather warmed up I put the hover out of doors, and in both places raised nearly all the chicks hatched. I kept in my hover from fifty to seventy-five chicks. I remove them when about four to five weeks old. Last spring I lost about half the chicks with a cheap brooder. The lamp would go out and all the chicks would freeze to death.

WALTER HOBART.

"WOULD USE NO OTHER KIND"

SOUTH BEND, IND., July 23, 1911.

Cyphers Incubator Company, Buffalo, N. Y.
After an extended experience with Cyphers Incubators and Brooders I am free to say that I would not want to use any other kind. They are superior to any other make that I have operated. The chicks have all hatched out strong and vigorous and I did not lose any after putting them under one of your Adaptable Hovers, which I have installed in a big dry goods box. It makes the best brooder I have ever used and I cannot speak too highly of it.

1028 East Wayne St., DONALD SHAW.

"IN AN ORGAN BOX"

MACHIAS, N. Y., June 16, 1911.

Cyphers Incubator Company, Buffalo, N. Y.
We purchased one of your Self-Regulating and Self-Ventilating Adaptable Hovers and installed it in an organ box. It took care of the chicks better than any hen could. Your Hovers attend to their work at all times, including furnishing the proper temperature and providing adequate ventilation. And the Hover does not get a fit now and then and jump up and down and trample the life out of the little chicks, as hens often do, and it does not scatter lice broadcast like an old hen. When our first chicks hatched we did not have the Adaptable Hover ready for them and the hens we were obliged to put the chicks with trampled several of them to death and covered them with lice.

URBAN PRESCOTT.

"ANYONE CAN OPERATE A CYPHERS INCUBATOR OR BROODER SUCCESSFULLY"

NEWBERN, TENN., August 16, 1911.

Cyphers Incubator Company, Buffalo, N. Y.
Last January I bought one of your No. 1 size Standard Cyphers Incubators, also an Adaptable Hover. I had never used an incubator before. While the incubator was running I made an outdoor brooder, similar to your Style B, and installed the Adaptable Hover therein. After giving some hens all the chicks they could take care of I had 58 left, which I placed in the Brooder. I raised all of the 58 chicks, while a good many of the chicks with the hens died. The brooder chicks grew the best, also. I am going to make some more brooders next season and will equip all of them with Adaptable Hovers, as I am convinced that this device beats the old hen and is much less trouble. Anyone can operate a Cyphers Incubator or Brooder successfully.

G. D. PARKS.

"HAVE RAISED ABOUT 900 CHICKS"

OAKLAND, CAL., July 15, 1911.

Cyphers Incubator Company, Buffalo, N. Y.
Since starting in the business here I have used nothing but the Cyphers Company goods, for the reason that I always find them reliable and as represented. Have been using two of your Adaptable Hovers and this season have raised about 900 chicks in them. I use them in connection with home-made brooders. Have had as many as eighty-five chicks under one hover ten days at a time and experienced no trouble with them. I think they are the ideal hovers. Next season shall add more of your Adaptable Hovers to my equipment.

GEORGE RUST.

"BEFORE TRYING IT LOST LOTS OF VALUABLE BIRDS"

NORTH ISLESBORO, MO., June 18, 1911.

Cyphers Incubator Company, Buffalo, N. Y.
I have had good success using your Self-Regulating Adaptable Hover this spring. Before trying it I lost lots of valuable birds. I placed the Hover in a brooder coop that I made, 6 x 4, 3 ft. front and 2 ft. rear, outdoors. I succeeded in raising 98 per cent of all the chicks placed in it, and those I did lose were picked up by crows. I have put as many as 75 chicks in the hover and could easily put more. I have been raising chicks number of years, but your Adaptable Hover is the best brooding system I have ever used. Shall use more of your Hovers and also a larger incubator next year.

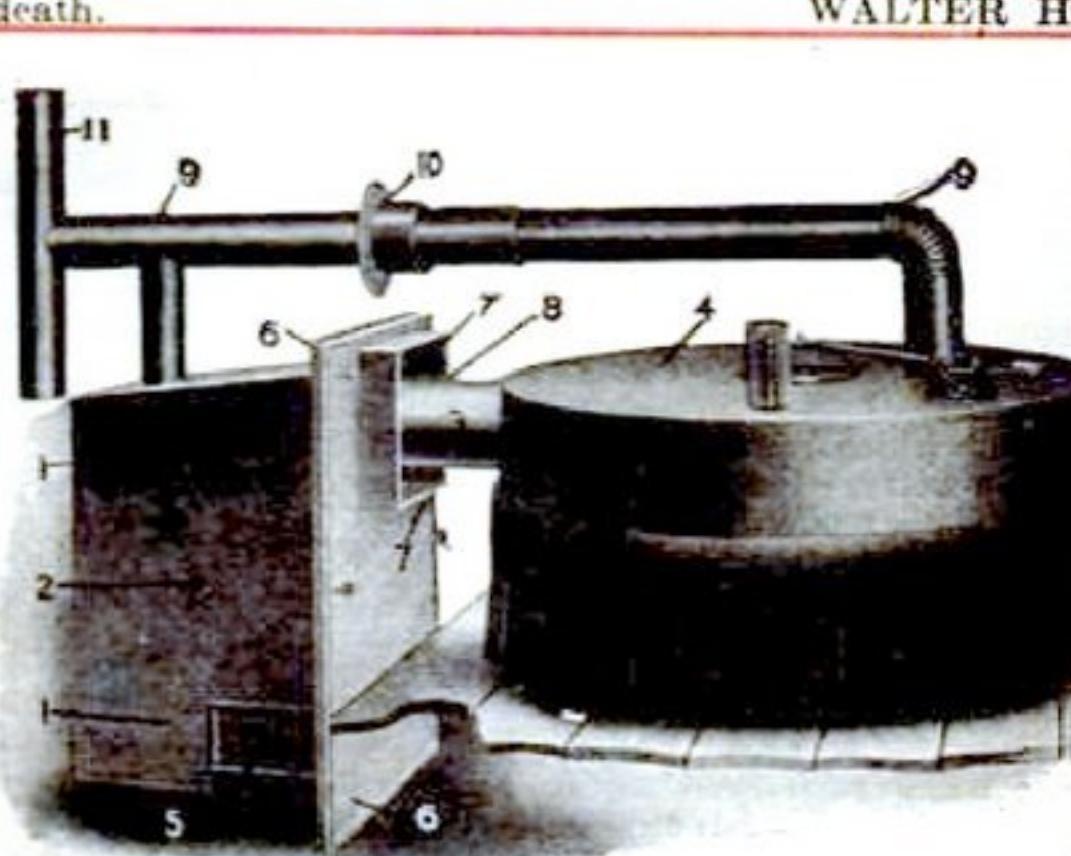
N. E. BUNKER.

"OPERATED BROODER IN SNOW"

WAUKESHA, WIS., November 20, 1911.

Cyphers Incubator Company, Buffalo, N. Y.
I want to repeat what I have said many times that Cyphers Incubators and Brooders are as near perfection in workmanship and material used as can be made. I purchased your Adaptable Hover and installed it in a home-made brooder. I made the brooder with double sheeting and tar paper between. I also equipped it with six-inch legs to keep it up off the ground. I operated this brooder in the snow last spring and the chicks thrived and grew into fine birds. The regulating device does its work well, and the chicks have plenty of fresh, pure, warm air. I have always received the best of treatment from you.

FRANCIS DERROY BANCROFT.



CYPHERS COMPANY'S ADAPTABLE HOVER
(Quartering View)

Fireproof—Insurable—Can be used anywhere

1—Heater Compartment. 2—Inlet to Fresh-Air Chamber. 3—Outer Pipe of Fresh-Air Flue. 4—Asbestos-Lined Metal Brooding Hover. 5—Air Inlet to Lamp Chamber. 6—Cell-Board Asbestos, Metal-Covered Backing that Separates Heater from Woodwork of Brooder Case. 7—Metal Flange that Separates Direct Heat Pipe from Woodwork of Brooder Case or Brooding House Partition. 8—Outer Pipe that Encloses Direct Heat Flue from Lamp to Radiator. 9—Waste Heat and Fume Pipe. 10—Insulating Collar at Point where Waste Pipe Passes Through Brooder Case or Partition. 11—T-Wind-Brake and Fume Exit.

"AM MUCH PLEASED WITH INVESTMENT"

GAGE, OKLA., June 10, 1911.

Cyphers Incubator Company, Buffalo, N. Y.
After trying several other makes of Brooders I bought a Cyphers Adaptable Hover from your Kansas City Branch House. Am much pleased with my investment and with the success I have had with this Hover. I built a brooder house, 3 feet wide, 6 feet long, 3 feet high in front, 2 feet high in rear, and placed a solid partition through center, thus making two compartments, 3 feet square. In each of these compartments I placed a window, hung on hinges from the top, which I could use as a door. I have practically used this as a continuous brooding house for all my chickens, and have had as high as 200 small Plymouth Rocks in hover department at one time. During the season I have not lost one chick that could be laid to any fault of the brooder. In fact, I have had such success that I am going to purchase more Adaptable Hovers in the near future.

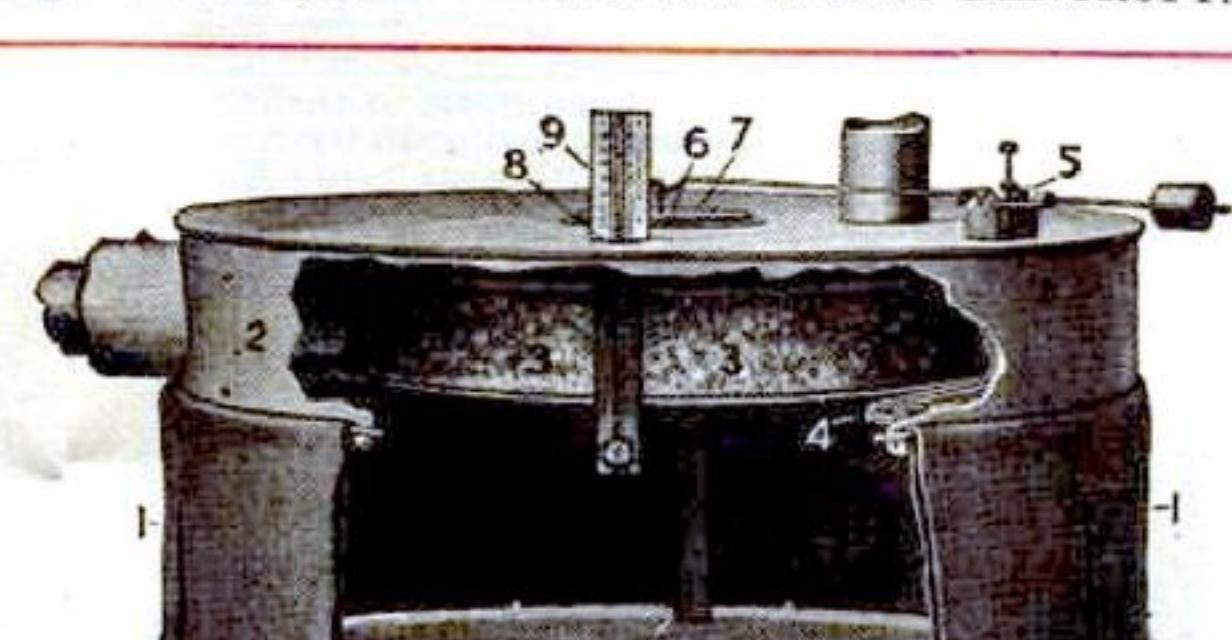
W. ORELUP.

"PURCHASED TWO MORE"

CLARKE, NEB., June 19, 1911.

Cyphers Incubator Company, Buffalo, N. Y.
I am using three of your Self-Regulating Adaptable Hovers and they are giving satisfaction, as do all Cyphers Company products I have ordered thus far. I installed my first Hover in a case made out of a goods box, with a pitched roof, shingled. In the front of the case I placed a window 24 inches square. The floor is raised 8 inches from the ground. The first Hover proved so satisfactory that I purchased two more and installed them in cases 4 feet square on the ground, 4 feet high in front and 3 feet high in the rear. Each case has a shingled roof, windows, and the floor is 8 inches from the ground, like the first.

HARRY L. BRYANT.



HOVER, PROPER, SHOWING RADIATOR
(Side Cut Away)

Ample Chick Space—Mechanical Design—Very Durable

1—Chemically-Treated, Fireproof Hover Curtain, Double Thickness. 2—Rim of Asbestos-Lined Metal Hover to which Double Woolen Curtain is Attached with Heavy Wire. 3—Air-Tight, Solderless, Fireproof Radiator into which Direct Heat from Lamp Flame is confined. 4—Zinc and Steel Double-Action Thermostat that Operates Regulator Arm. 5—Pivot Casting or Knife-Edge Bearing of Regulator Arm. 6—Circular Opening in Top of Asbestos-Lined Metal Hover through which Surplus Heat Emerges when Disc is Raised by Action of Thermostat. 7—Regulator Disc. 8—Opening in Top of Hover Through which Upright Thermometer is inserted. 9—Upright Brooder Thermometer that Can Be Read Without Removing It from Regular Position.

THE VALUE OF SELF-REGULATION

LET US suppose, reader, that you own 50 to 75 valuable chicks that you wish to raise by artificial means, and that you place them in a brooder that is not self-regulating. When you go to the brooder the last time at night you carefully adjust the lamp flame so that it will supply a temperature of 90 to 95 degrees under the hover, provided the room temperature or outdoor temperature does not fall more than 10 to 15 degrees. But suppose that during the night there is a sudden change in the weather, which often occurs in the spring of the year, and there is a drop in temperature of 20 to 30 degrees within a few hours—what will be the effect on the chicks? Just this: At first they will huddle in the warmest place they can find; then as they grow colder they will crowd and "mass up," some crawling under and over the others, thus trampling and smothering the smaller and weaker ones; then, if relief does not come soon to their aid, the whole lot will "chill"—and little chicks that have been chilled are quite certain to develop bowel trouble and become stunted or die outright.

This is not an exaggerated picture: Hundreds of thousands of valuable chicks are being killed or stunted every year in exactly this manner.

On the other hand, let us suppose that you own a self-regulating brooder or brooding hover—what then? In this case, on your last visit to the chicks each day or evening, you will take the precaution to turn the lamp flame high enough so that it will produce 20 to 40 degrees more heat than is needed under the hover to supply the 90 to 95 degrees required for the comfort and health of the chicks.

But this "surplus heat" is not forced under the hover to remain there and overheat the chicks, which is almost as injurious as it is to chill them. On the con-

trary, the regulating damper remains open as long as more heat is being generated than is needed to maintain surplus heat is discharged inside the brooder case and, therefore, is not wasted; but as the outside temperature drops, and the space under the hover begins to cool down below the right temperature for the chicks, the regulator damper gradually closes, thus confining more and more of the surplus heat beneath the hover for the use and protection of the chicks. By this means any natural change in outside temperature can be guarded against without injury to the chicks.

The question that should interest you, Reader, is this: Why do chicks thrive so well—live and grow so rapidly in brooders, both factory-made and home-made, that are equipped with the Cyphers Company Adaptable Hover? Please keep this question in mind as you read the sample reports published herewith.

"USING 20 ADAPTABLE HOVERS"

CHICAGO, ILL., March 20, 1911.

Cyphers Incubator Company, Buffalo, N. Y.
I am using at the present time, and have used for two years, twenty of your Self-Regulating Adaptable Hovers. I defy any inventor of hovers to beat this device. It is without exception the only reliable "foster mother" I have ever used. Its heating is uniform and it is not, as the majority of brooders, apt to change with the different climatic changes. In other words, it is in fact "reliable." P. J. ARMSTRONG.

"FOUND REGULATOR USEFUL AND NECESSARY"

BRADFORD, VT., November 8, 1911.

Cyphers Incubator Company, Buffalo, N. Y.
I like your Adaptable Hovers with the regulator. I found the regulator to be a useful and necessary part of the outfit, as in the spring here the thermometer varies from 30 to 60 degrees in twelve hours, outside the brooder. I have three of your Hovers. The Adaptable Hover is the best brooding outfit I have ever seen. W. D. MERRILL.

"ADJUSTING IT AS INCUBATOR REGULATOR"

Ocala, Fla., November 27, 1911.

Cyphers Incubator Company, Buffalo, N. Y.
I am using your Adaptable Hovers in all of my brooder houses and they give the utmost satisfaction. I make use of the regulator on the hover, adjusting it as I would an incubator regulator, and it works perfectly. I usually place about 75 chicks with each hover and they are comfortable and happy. I would not care to use a hover that is not equipped with a regulator, as it would be impossible to keep the temperature even. With a "first hot and then cold" temperature such as we have here the chicks do not thrive well under such conditions. IVY POULTRY FARM, Fred J. Burden, Mgr.

REGULATION IS AUTOMATIC

Sectional View Showing How Surplus Heat is Forced Out of Hover, Automatically, when Temperature Rises to Required Point. Surplus Heat is Discharged into Brooder Apartment in which Hover is Located, thus Conserving the Heat for Use of Chicks.

Surplus heat is forced out of the hover automatically when the temperature rises to the required point. The surplus heat is discharged into the brooder apartment in which the hover is located, thus conserving the heat for use of chicks.

"SUITABLE FOR OUR CLIMATIC CHANGES"

DALLAS, TEX., October 28, 1911.

Cyphers Incubator Company, Buffalo, N. Y.
I have used two of your Adaptable Hovers in a specially built brooder house and the results were entirely satisfactory. I can highly recommend the Adaptable Hover as being suitable for our climatic changes. The regulator with which the Adaptable Hover is equipped is a valuable feature and does all that you claim for it. M. E. ZAPP.

"CHICKS GROW FASTER AND LOOK BETTER"

TYLER, MINN., March 18, 1911.

Cyphers Incubator Company, Buffalo, N. Y.
I have been using several makes of Brooders for the last four or five years. Last year I got two of your Adaptable Hovers and I can say that they are the best brooding devices I have ever used. The chicks placed in the Adaptable Hovers grow faster and look better. I have now at this date 90 chicks under two of your Hovers and I have never seen stronger and better chicks two weeks old than these are. I have found the Adaptable Hover to be a No. 1 in all respects. It is self-regulating, with just as good a regulator as you have on the Cyphers Incubator. After the regulator is set once it runs to perfection. J. P. ERIKSEN.

"LARGE HEALTHY CHICKS"

BROOKLYN, N. Y., July 11, 1911.

Cyphers Incubator Company, Buffalo, N. Y.
I am using your Self-Regulating Adaptable Hover and I think old Biddy should tip her hat to it. I never lost one chick through the fault of the Hover and it keeps the temperature as steady as a clock. Moreover, it was in February that I set it out on the open ground in a home-made brooder with a home-made storm shelter, and I only lost 5 chicks, all of these from accident. You have certainly hit upon the correct construction for Brooding Hovers, and your plan of furnishing fresh, warmed air to the chicks in Hover is all that you claim for it. The large, healthy chicks produced by your brooding system indicate the correctness of your method. I can say frankly that my chicks have done splendidly, first to last. 619 Shepard Ave.

C. MAYRSHON.

"RAISED 90 TO 95 PER CENT OF THE CHICKS"

TOPSHAM, ME., November 9, 1911.

Cyphers Incubator Company, Buffalo, N. Y.
Last year I purchased two of your Self-Regulating Adaptable Hovers and built a house to put them in. All the care that these Brooders need is to keep the lamp filled, trimmed and clean. The temperature does not vary in the slightest. And say, the snow will drift half over the brooders and the chicks will be as happy as clams. B. A. CROMWELL.

"TRIED OUT NEARLY ALL OTHER BROODERS"

DELHI, N. Y., January 1, 1912.

Cyphers Incubator Company, Buffalo, N. Y.

Am much taken with your Adaptable Hover. After giving it a severe test in competition with other brooding devices I believe the Adaptable Hover to be without an equal. I know whereof I speak, because I have tried out nearly all the other brooders on the market. I found that your regulator works like a charm. This has a great deal to do with brooding the chicks successfully, inasmuch as it holds the temperature even and the chicks are more contented and quiet than when the heat is continually running up and down, as it does in brooders that are not automatically regulated—in fact, I have had brooders that the heat always ran down. Had one made by a —— firm that refused to go above seventy-five degrees. I made kindling wood of it. E. B. GEROWE.

"COMPLETE PLAN FOR RAISING CHICKS"

ROYALSTON, MASS., August 24, 1911.

Cyphers Incubator Company, Buffalo, N. Y.

This season I hatched over 2,500 chicks with two of your 244-egg capacity Standard Cyphers Incubators. Used your Self-Regulating Adaptable Hovers and Colony Brooders with the best of results. These brooding devices, in conjunction with your Balanced-Ration Poultry Foods, provide a complete plan for successfully raising chicks. Even during stormy, zero weather my chicks continued to thrive and grow. Your regulating device maintains an even temperature under the Hover and the air is always pure and wholesome.

WARREN W. GRANT.

"PURE AIR, WINNING POINT"

HINCKLEY, ILL., November 4, 1911.

Cyphers Incubator Company, Buffalo, N. Y.

Your Self-Regulating Adaptable Hover has given me excellent results. It was placed in a coop, air-tight on all sides excepting the front which allowed plenty of fresh air to enter. I consider the Adaptable Hover perfect and will use nothing else. The regulator I consider a necessity. The passage of pure air into the Hover is the winning point of your Brooding Device, and strong, growing chicks must be the natural result.

DR. GEO. C. FRY.

"CORRECT IN PRINCIPLE AND CONSTRUCTION"

SOUTH OMAHA, NEB., July 1, 1911.

Cyphers Incubator Company, Buffalo, N. Y.

We have been very successful this season with our poultry work. We use three of your Adaptable Hovers, also one Style B Outdoor Brooder. We believe your Adaptable Hover to be absolutely correct in principle and construction. They hold the temperature at any given point, even during zero weather. The brooders in which we installed your Adaptable Hovers were modeled after your Style B. We breed choice R. C. Rhode Island Reds on a large scale and use nothing but Cyphers Company poultry supplies.

PEERY & RIDGEWAY,

Per W. E. Peery.

THE VALUE OF SELF-VENTILATION

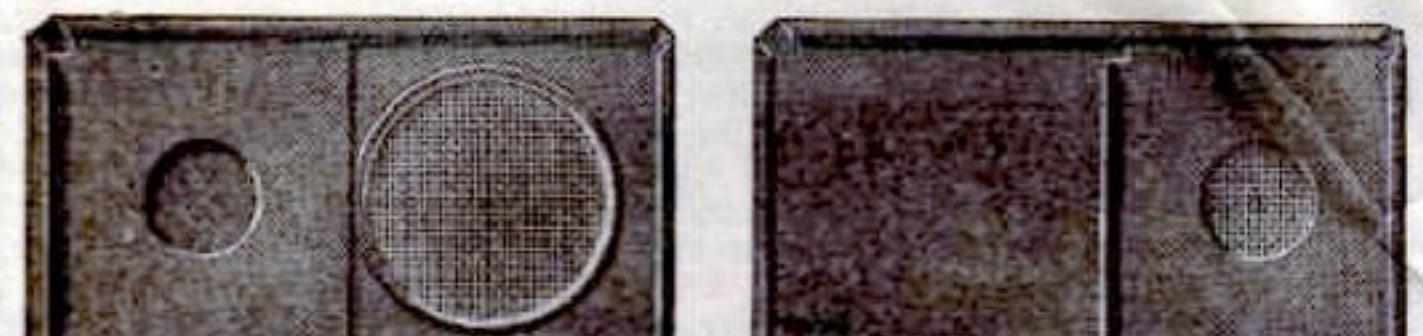
TRAPPED or "dead air" is something that absolutely must be avoided in a brooding hover, or the device will prove to be a death-trap for the healthiest of chicks. The problem is this: How to furnish the sleeping chicks with an ample and continuous supply of fresh, pure, warmed air underneath the hover, especially at night, without a direct circulation that will result in drafts, colds, diarrhoea, etc. "Warmed air," in this case, can come only from the lamp or radiating chamber, and there must be positive protection against two things:—First, against the passage of lamp fumes and gases to the space underneath the hover where the chicks are sleeping; second, the device must be so constructed and safeguarded that the lamp flame cannot blow out or "suck out," no matter how strong or "gusty" the wind may be. And it is during windy, stormy nights and blizzardy weather conditions that a truly "dependable" brooder or brooding device is most needed.

By "trapped" or "dead air" is meant a volume of air above and around the heads of the chicks that does not change, that is not freshened or renewed by some proper means of ventilation. In a large majority of the low-priced, wrongly constructed brooders offered to poultrymen the breath of the chicks is "trapped" in the close, ill-ventilated space in which they sleep, and this vitiated air is fatal to little chicks, the same as it would be to babes. This is the direct cause of many chicks weakening and dying—despite the fact that the owner of such a brooding device works faithfully to save and raise them.

For best results in raising strong, healthy chicks be sure to avoid the use of brooders or brooding hovers that are warmed by means of central heat domes—by a metal dome of any kind that occupies space underneath the hover on the floor of the brooder or other enclosure. This central dome not only takes up valuable room, but is sure to be hot, especially in cold weather or on cool nights, and the chicks are certain to crowd close to this dome and thus will trample and smother the smaller, weaker ones. Furthermore, these central-dome or center-heat brooding hovers cannot be

properly ventilated without the creation of direct drafts, which are even more fatal to little chicks than is trapped or dead air.

The Cyphers Company Adaptable Hover is positively self-ventilating—absolutely so. Fresh air is drawn into the upper half of the heater section, is there warmed and then is forced under the hover above the heads of the chicks, and must gradually find its way out, either through the slits in the curtain or through the circular opening in the top of the asbestos-lined, metal hover when the regulator damper (or disc) is open or partly open. The principle is exactly like that of a hot-air furnace in a residence—fresh, outdoor air is taken into the radiating chamber, there passes over the heated surfaces and then is carried through pipes into the living and sleeping rooms. By this system the space underneath the hover is certain to receive, day and night, a constant, continuous supply of fresh, moderately warmed air—air that minglest with the radiated air above the backs of the chicks, and at that point becomes part of the ninety-degree temperature which insures the comfort and health of the chicks.



WINTER AND SUMMER INLETS

Showing Different-Sized Air Inlets to Lamp Chamber for Winter and Summer Use. Lamp Requires Greater Air Supply as Warm Weather Comes On. Slide is Closed Over Large-Screened Opening in Winter Time Out of Doors, and is Opened Part Way or Wholly During Warm Weather or When Adaptable Brooding Hover is Used Indoors. A Simple Device, But Essential to Successful Operation.

properly ventilated without the creation of direct drafts, which are even more fatal to little chicks than is trapped or dead air.

A M GOING TO CHANGE OVER MY OTHER HOUSES'
MUSKOGEE, OKLA., July 12, 1911.

Cyphers Incubator Company, Buffalo, N. Y.
I am very much pleased with the Cyphers Self-Regulating Adaptable Hover which I purchased in April. It has done good work. Have operated the hover in a house 5 x 7 x 6 ft. I put from 75 to 100 chicks in the house at one time and the Hover accommodated them nicely. Am especially pleased with the self-regulating feature of your Hover, as it keeps an even temperature at all times for the chicks, and the system of furnishing fresh air under the Hover is a great improvement over the old-style brooding devices. I think the Cyphers Adaptable Hover is the best device of the kind on the market and there are others in this vicinity who are of the same opinion. Next year I am going to change over my other houses so that all of them will be constructed upon the new and improved way of caring for chicks. E. JAMESON.

EVEN UNDER THESE CONDITIONS CHICKS WERE HAPPY AND COMFORTABLE"

EAST ORANGE, N. J., July 19, 1911.

Cyphers Incubator Company, Buffalo, N. Y.

If I had to depend entirely on hens and could not get Cyphers Incubators and Brooders to raise my chickens I would not stay in the chicken business over night. Your Incubators and Brooders are simply indispensable to a money-making plant. Your Adaptable Hovers are O. K. in every way. I took off my first hatch in March of this year; put the chicks under a Cyphers Hover, and when I went out in the morning found ice in the drinking fountains, but even under these conditions the heat under the Adaptable Hover was up to the required point and the chicks were perfectly happy and comfortable. Pulletts from this lot of chicks at 4 months weigh 4 pounds.

R. J. HOUSTON, JR.

"PURE, FRESH AIR"

LISBON, N. H., July 28, 1911.

Cyphers Incubator Company, Buffalo, N. Y.

It gives me much pleasure to report the success I have had with your "time-saving" Adaptable Hovers used in connection with a home-made colony house, fitted with a run at each end. The first lot of chicks I arranged 60 to each run and raised 118 of them. When four months old I moved them to another house, cleaned out the brooders and filled them with 100 chicks, 50 to each pen, and raised 97 sturdy "kickers" that are doing fine.

J. E. COLLINS.

"INTEND TO SUPPLY MY ENTIRE PLANT WITH THEM"

ALAMO, TENN., June 16, 1911.

Cyphers Incubator Company, Buffalo, N. Y.

I bought one of your Adaptable Hovers this spring, as a sample, and after testing it out am so pleased with it that I intend to supply my entire plant with these Hovers. The Hover has numerous advantages over other brooding devices on the market, but am especially pleased with its ability to produce an even temperature for the chicks and to supply an abundance of pure, fresh air at all times. My chicks have developed into fine and hearty fowls. I consider the Cyphers Adaptable Hover the best brooding device made. I am using mine in a brooder house, 6 x 6 ft., and find it to be the nearest thing to a hen I ever used. Have had fine success with it. J. E. KLYCE.

"IF I COULD NOT GET ANOTHER"

NORTH ISLESBORO, ME., May 25, 1911.

Cyphers Incubator Company, Buffalo, N. Y.

The Adaptable Hover works fine, and I would not take double the cost of it if I could not get another. Shall need one or two more next spring. Am raising about 300 chicks this season and they are doing nicely. The self-regulating feature of the Adaptable Hover is all that could be desired, and the self-ventilating system produces strong, vigorous birds that develop into money-makers.

N. E. BUNKER.

"HAVE NINE ADAPTABLE HOVERS"

WESTPORT, CONN., July 6, 1911.

Cyphers Incubator Company, Buffalo, N. Y.

I have used your Adaptable Hovers with success and have taken pleasure in recommending same to interested parties who have visited my plant. I have 9 of your Adaptable Hovers—5 in a 6 x 10 brooder house, and 4 in colony houses—2 in each of the houses. The Hovers have home-made cases, 30-inch square base, 21 inches high, covered with muslin and with removable top and front. I have raised 1,700 chicks in these Hovers. I have found that the chicks readily become at home in the Hovers, which provide ample heat and ventilation and which can be kept in a sanitary condition. I have a fine, vigorous lot of youngsters to attest to the excellency of your brooders.

R. F. D. No. 11.

"IN CURTAIN-FRONT POULTRY HOUSE"

WEST ALEXANDER, PA., March 14, 1911.

Cyphers Incubator Company, Buffalo, N. Y.

ALL-METAL—FIRE-PROOF—INSURABLE

WE should remember that the "brooder" we are talking about—that we are to properly heat and correctly ventilate, is to be a "home" for little chicks just hatched. These chicks are mere "babes," without covering to keep them warm. They are entirely dependent on the care you give them—their lives depend on the quarters in which you place them. To raise chickens with success and profit—doing so without the aid of hens—requires the use of a well lighted, uniformly heated and well ventilated apartment or enclosure, where the chicks can be comfortable and safe, day and night—a place to which they can go to get warm—where they will have pure, fresh air—where they can not chill and will not crowd or trample one another.

The heater and hover of a properly constructed and reliable brooder are its "heart and lungs." To make sure of having these vital parts act as they should—that is about all there is to successful brooding by artificial means; provided the enclosure or brooder case is roomy enough, is well lighted and is safe at night against the four-footed enemies of little chicks.

But, for best results, the heater, in fact the entire brooding device, must be substantially built and should be safe from fire. Every season many thousands of valuable chicks are burned up in cheap, flimsy, wrongly constructed, fire-trap brooders that are sold at "giveaway" prices—prices so low that any thinking person should know beforehand that he will get no more than he pays for.

These dangerous devices are little else than cracker boxes with an inverted tin can for a "heat dome," and this dome is warmed by a soldered bowl, or glass lamp, equipped with the cheapest of burners, practically a "five-and-ten-cent-store" affair, that is located inside or underneath the inflammable wooden box—and the unscrupulous manufacturers further degrade themselves by claiming that these "fake" brooders will hold—will properly care for—200, 300 and even 400 chicks in single flocks. You may think that we exaggerate, but we do not. Many readers of these lines who have been "bitten" by the purchase of these "bargain-counter" brooders know that we are telling the plain truth—they have found out, to their loss and sorrow.

"NOW LOOK BETTER THAN EVER"

Houston, Texas, October 28, 1911.

Cyphers Incubator Company, Buffalo, N. Y.

I have four of your Self-Regulating Adaptable Hovers which have been in use about three years and they are still working fine. I had been using your incubators for a number of years when I heard about your Adaptable Hover. It looked good to me, and now that I have been using them they look better than ever. I like the metal construction of the Hovers, and the regulating device works to perfection. My chicks certainly thrive and grow rapidly in these brooders.

2525 Washington Ave.

R. J. HUGHES

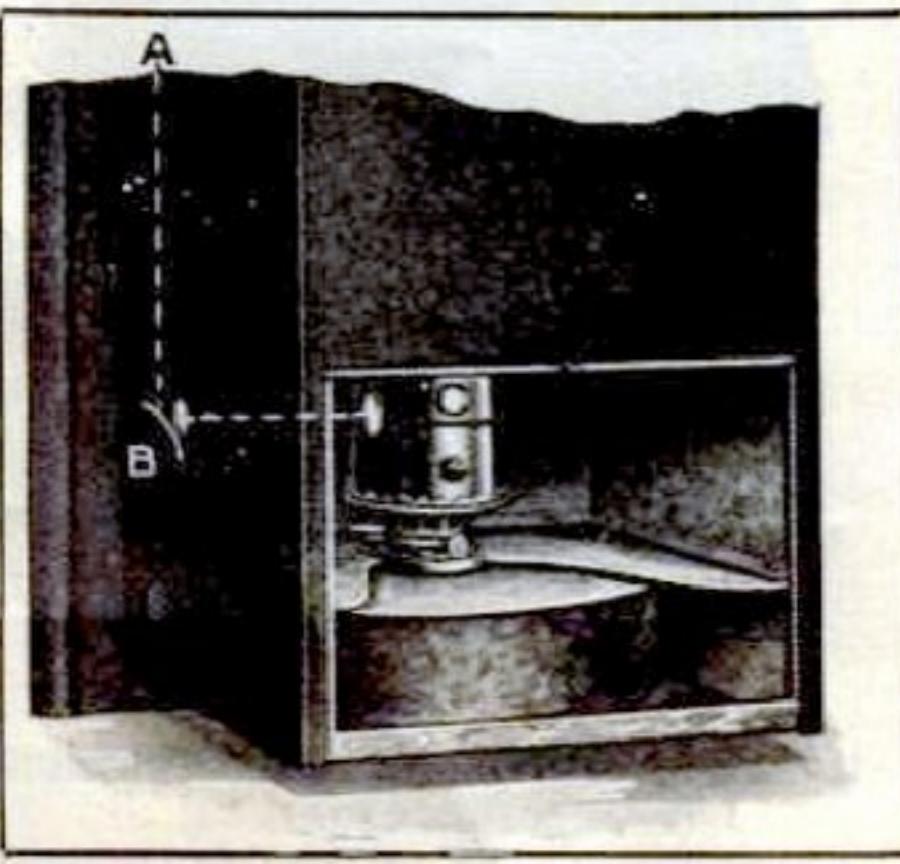
"CANNOT BE BEAT"

RIVER FALLS, WIS., July 10, 1911.

Cyphers Incubator Company, Buffalo, N. Y.

I want to report to you that the Cyphers Adaptable Hovers cannot be beat. I will be in the market for two or three more of them this fall. I build my brooder houses out of drygoods boxes and they answer the purpose very well. The Adaptable Hovers are no trouble to install, and are easily operated. The metal construction makes them practically indestructible and the regulating device maintains an even temperature for the chicks. I have raised 300 White Plymouth Rocks this season and all of my birds were hatched in your Incubators and raised in your Adaptable Hovers.

M. M. WALTERS.



HOVER LAMP CHAMBER

Shows Lamp Chamber of Heater Compartment With Sliding Gravity Door Pushed Upward Between Double Metal Walls, and Illustrates Convenient Use of Mirror Attachment in View-Ing and Adjusting Lamp Flame in Fire-Proof Heater Compartment, Without Opening Door to Lamp Chamber. Looking Downward from Point (a) to Mirror (b) the Flame Can Easily be Seen Reflected on Mirror from Opening (c) in Chimney.

"FLOCK OF CHICKS BURNED UP"

CHITTENDEN, N. Y., November 7, 1911.

Cyphers Incubator Company, Buffalo, N. Y.

I thought it might interest you to know what success I had after installing your Self-Regulating Adaptable Hovers last spring. I found these hovers just as represented and they gave me complete satisfaction in every way. They fill a long-felt want for a hover that is fire-proof and one that will not flicker during a gale. Before receiving your Adaptable Hovers I had a valuable flock of chicks burned up by the use of a hover of another make. After installing it, it gave me an endless amount of trouble until the tenth day when it caught fire and smothered 125 of my most valuable chicks, besides damaging my colony house to quite an extent. I cannot recommend your Hovers too highly to my friends.

C. H. KIDDER.

"IS ONE GRAND INVENTION"

MONTICELLO, N. Y., July 10, 1911.

Cyphers Incubator Company, Buffalo, N. Y.

I must say that your Adaptable Hover is one grand invention, being perfectly fire-proof as well as a good heater. I have one Outdoor Brooder which I built myself, 7 x 14 feet, 5 feet high on one side and 6 feet on the other. In this brooder I installed four of your Adaptable Hovers and from two hatches I have raised about 450 chicks. I now have 245 chicks in the brooder house and have provided an outside room 14 x 24 feet. There is not the least odor of kerosene in the house, as of course all the heaters are on the outside of the brooder. Your system of providing proper ventilation beneath the Hover is just what the chicks need in order to grow and develop properly. I can easily manage to get the thermometer up to the required temperature. WILLIAM EBELING.

"STORMS NOT STRONG ENOUGH TO DISTURB ITS EVEN BURNING"

MELROSE, MASS., July 25, 1911.

Cyphers Incubator Company, Buffalo, N. Y.

I have used this year two Brooders equipped with the Self-Regulating and Self-Ventilating Adaptable Hovers and have had complete success. Compared with other styles of brooding this modern machine is certainly a great step in advance. There is no bottom heat to cause the little chicks to get crippled feet or leg weakness and you can regulate the temperature in the little roosting room almost to a fraction of a degree. Another feature that is really perfect is the fire-proof lamp box arrangement. It certainly is a great invention. My little plant is located on a hill where I get the cold east wind right from the Atlantic, but the storms have never yet been strong enough to blow out the lamp or to even disturb its even burning. To make a long story short your Self-Regulating Adaptable Hover is a great boon to poultry raisers.

E. F. MUELLER.

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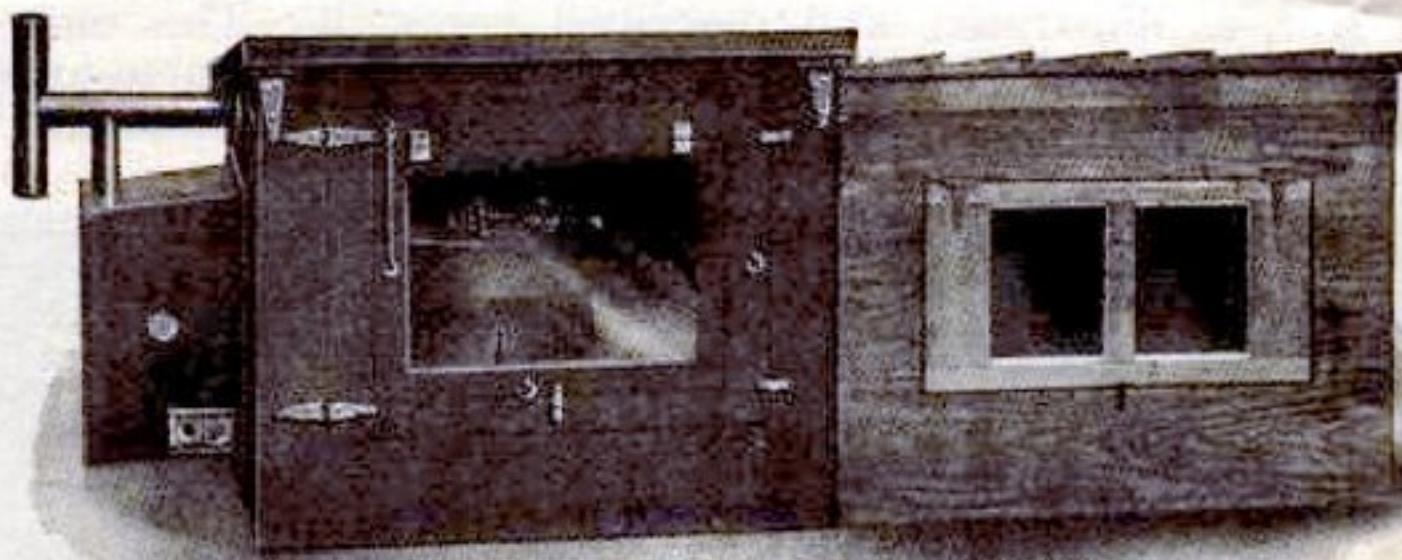
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E. F. MUELLER.

CYPHERS ADAPTABLE HOVER



CYPHERS STYLE A OUTDOOR BROODER WITH HOME-MADE EXERCISING APARTMENT

Style A Two-Apartment Outdoor Brooder, Equipped With Self-Regulating Adaptable Hover Sells For \$12.50 f. o. b. All our Points of Business, Except Oakland, Cal. (Oakland Price \$13.50), and the Purchaser Can Make His Own "Sun Parlor" or Exercising Room, Building It as Large as He Pleasees and At Small Cost. A Large Goods Box or Packing Case Will Answer the Purpose Very Well. Style A Brooder Is Shipped Knock-Down at Low Freight Rates.

"NOW USING SIX OF THEM"

GLENNSHAW, PA., November 15, 1911.

Cyphers Incubator Company, Buffalo, N. Y.

Have had remarkable success with your latest inventive triumph, the Self-Regulating and Self-Ventilating Adaptable Hover. Am now using six of them in my piano box colony house brooders. March 26, 1911, I put sixty White Wyandotte chicks in Colony House No. 1 and raised fifty-four of them to maturity. I also put in Colony House No. 2 forty-seven chicks and raised forty-five. These chicks were fed on Cyphers Chick Food and Beef Scrap. I am delighted with the way your Hovers have operated in the colony houses. They are easy to operate, the wind does not affect the lamp, and the regulating device takes care of the temperature in the Hover. To all poultrymen who visit my farm I recommend your incubators, brooders and poultry supplies. I do this because of their great merit and because it is a pleasure to deal with a Company that treats its customers the way you do. That is why I send my friends to you for their trade.

MOUNT ROYAL FARM,
Chas. P. Gloger, Proprietor, R. D. No. 2.

"NOW HAVE EIGHT"

BLUE JACKET, OKLA., July 31, 1911.

Cyphers Incubator Company, Buffalo, N. Y.

The Adaptable Hovers I bought from you are the nearest to a perfect brooding device I have tried. I bought five—brooders a few years ago, but failed to make them work and could not raise chicks in them. Also tried two other kinds without success. Then I bought one of your Style C Brooders and two Adaptable Hovers, thinking I would not get in too deep with your brooding devices until I found out whether they would give me the results desired. After trying your brooders a short time I ordered more Adaptable Hovers, and now have eight installed in brooders built after the pattern of your Style C Brooder. Have had my patience sorely tried endeavoring to raise poultry with so-called cheap incubators and brooders, and if my experience is any criterion will say that the poultry world would be many dollars better off if poultrymen would let "cheap" incubators and brooders severely alone.

(MRS.) C. B. WELLS.
LOW-COST HOME-MADE BROODER
Showing How a Common Goods Box of a Size Easily Obtained Can Readily Be Converted Into a Serviceable, Well-Lighted, Safe and Comfortable Outdoor (Or Indoor) Brooder By the Use of the Cyphers Adaptable Hover. See First Page of This Sheet for Detailed Directions How to Make a Brooder of This Kind. An Organ or Piano Box Will Make a Large, Roomy and Healthful Home For 50 to 100 Chicks. No Danger Whatever From Fire—This We Guarantee.

"NOW USING TWELVE"

ROCKFORD, ILL., December 7, 1911.

Cyphers Incubator Company, Buffalo, N. Y.

We are now using twelve of your self-regulating and self-ventilating Adaptable Hovers. I cannot find a single fault with them and do not see how they could be improved. They are built for business. I would like to earnestly urge all beginners not to experiment with so-called cheap poultry equipment. If the Cyphers equipment is used at the start it will not be necessary to waste a year or two in waking up. I cannot express our thanks to you for your high ambitions in placing the best goods on the market for poultrymen, and I do believe that you do have the best, regardless of all imitations.

PURITY POULTRY FARM,
Theo. R. Brown, Proprietor.

"USING 24 HOVERS—EXPECT TO PUT IN 24 MORE"

HILLSBORO, ILL., October 14, 1911.

Cyphers Incubator Company, Buffalo, N. Y.

One of the greatest calamities that could happen to the poultry world would be for you people to discontinue making Incubators and Brooders. Keep on with the good work! We have had one of the most successful seasons of our entire career and we think it only right for us to give your firm a share of the credit. This past spring we put in twenty-four of your Self-Regulating Adaptable Hovers and their use has proved to us that the brooding problem is solved. We expect to put in twenty-four more of these brooders this fall.

Yours truly,
W. O. CHASE.

COLONY HOUSE SERVES DOUBLE PURPOSE
Cyphers Company Latest Improved "Year-Around" Colony House Equipped With All-Metal, Fire-Proof, Self-Regulating and Self-Ventilating Adaptable Hover for Brooding the Chicks In Late Winter or During Changeable Spring Weather. When Chicks No Longer Need Artificial Heat the Hover Section Is Removed and the Chicks Remain In Colony House Until Time Comes to Separate Sexes. After That the Pullets or Surplus Cockerels Can Be Left In House.

\$8.50 PRICE OF CYPHERS COMPANY'S ADAPTABLE HOVER

THIS IS THE PRICE of the Cyphers Company All-Metal, Self-Regulating, Self-Ventilating ADAPTABLE HOVER, everything complete, f. o. b. Buffalo, Boston, New York City, Chicago and Kansas City. Price f. o. b. Oakland, Cal., \$9.50. Each hover safely boxed for shipment, weighs 40 lbs., and can be shipped by express to many points at a low rate, the value of time considered, at this season of the year. WITH EACH HOVER at price named we furnish a zinc and steel thermostat and regulating device, the same as used on Standard Cyphers Incubators; a tested, wood-mounted brooder thermometer and a seamless-bottom lamp equipped with exactly the same style and grade of burner we supply with our Standard Incubators.

IN OTHER WORDS, everything connected with this popular priced BROODING HOVER is strictly first class, and we warrant it to last ten years and give good satisfaction, with reasonable care and precaution. TRY ONE OF THESE HOVERS and you will be convinced that it is the best and most economical brooding device for little chicks ever invented and placed on sale.

SEND ALL ORDERS and address correspondence TO OUR PLACE OF BUSINESS NEAREST YOU, thus saving valuable time and a large part of the freight or express charges.

FIRELESS BROODING OF CHICKS

IMPRactical EXCEPT IN SMALL NUMBERS AND VERY COSTLY IF YOU VALUE YOUR TIME.
TESTIMONY OF A MAN WHO TRIED HARD TO MAKE A SUCCESS OF IT.

The following is the report of R. P. Ellis, 2406 Flatbush Ave., Brooklyn, N. Y., Proprietor of the Aurora Leghorn Farm and Founder of the Aurora System of Branch Egg Farms:-

"In the summer of 1909 I experimented with various 'fireless' brooders, and reached the following conclusions:

"FIRST—It is possible to raise chicks by the fireless method.

"SECOND—The death rate is far too great unless weather conditions are ideal—which they seldom are.

"THIRD—The economy, so-called, in a 'fireless' brooder consists in making it much smaller than the heated brooders, and the saving in oil is offset five to one by the item of extra labor.

"FOURTH—The most serious objection to the 'fireless' method is that the attendant must practically live with the chicks. The care and attention the 'fireless' chicks require make the plan impracticable on a poultry plant, where a person's time is an important item of value, or labor is expensive.

"I must confess that I turned reluctantly from the 'fireless' field—what its advocates claimed for it was so tempting! But we tried the best advertised methods and followed them faithfully, only to meet with severe loss—both loss of labor and an excessive loss of chicks.

"It must be borne in mind that in making these investigations we were charged with a responsibility rather greater than is usual with poultrymen, since on our decision rested the methods to be employed on the numerous branches of the Aurora Leghorn Farm, known as the Aurora System of Branch Farms. We were forced to find a method effective, economical, labor-saving, and the equipment must be durable."

USING MORE THAN 400 CYPHERS ADAPTABLE HOVERS

After his costly experience with the "fireless" plan of brooding, Mr. Ellis bought and carefully tested the Cyphers Adaptable Hovers. Writing on this subject, Mr. Ellis reported as follows:-

"It was no wonder, therefore, that we were glad, indeed, to find complete success in the use of your Adaptable Self-Regulating Hovers. They have proved to be exactly what we were looking for. For us this hover has filled ideally every condition; to enumerate:

"FIRST—The cost is far below that of any individual brooder or pipe system of the same capacity.

"SECOND—The principles of self-ventilation, with heat from above, etc., are correct, not only in theory, but in practice.

"THIRD—Its installation—immediate and simple.

"FOURTH—Its construction (all galvanized sheet iron, solidly bolted and riveted together) makes it indestructible—so much so that its purchase becomes an investment, not an expense. It will last for years—perhaps a lifetime.

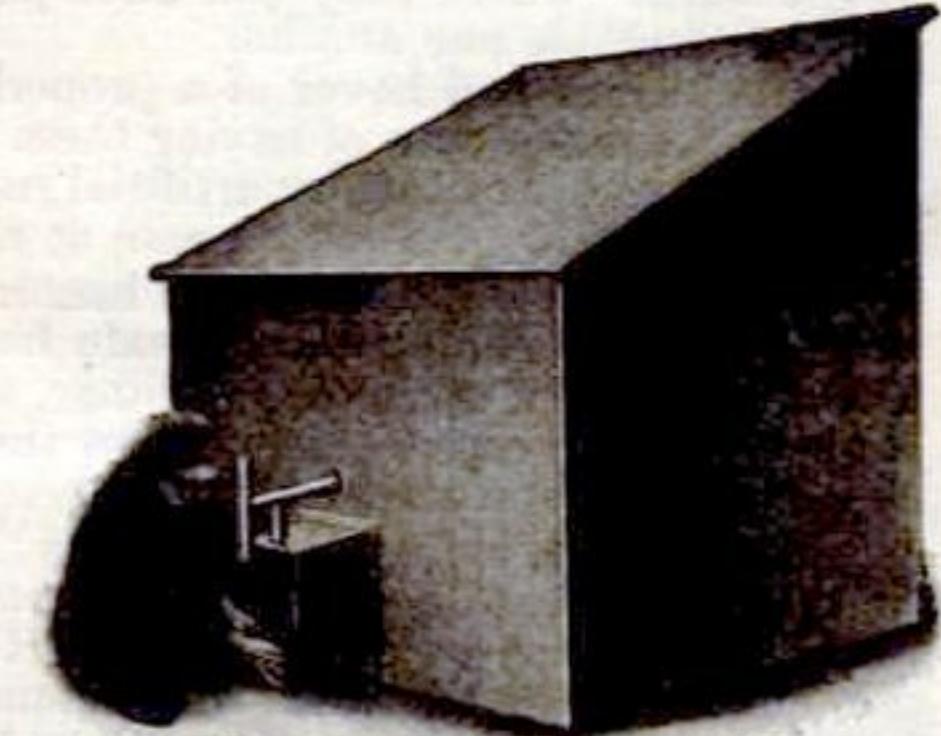
"FIFTH—Its maintenance (cost of repairs) is practically nothing, whereas any woodwork requires expensive repairs, as I have found to my cost.

"SIXTH—Its efficiency—of the highest, because we have raised larger percentages of chicks in it than in any other brooding device we ever used.

"SEVENTH—Its economy of time and labor. Six of these hovers in our 14 x 14 feet laying house enables us to care for 300 chicks under one roof.

"EIGHTH—The low cost of oil—using only a one-inch wick—and its dependability. It 'stands on the job' day and night, and the self-regulation adds much to the caretaker's ease of mind."

For illustrated description of plans for using Cyphers Company Adaptable Hovers in Combination Laying and Brooding Houses, see Cyphers Company's 24-page Complete Catalogue and Poultry Growers' Guide for 1913, "Profitable Poultry and Egg Production," a copy of which will be sent free, postpaid, to any address in the United States or Canada on request.

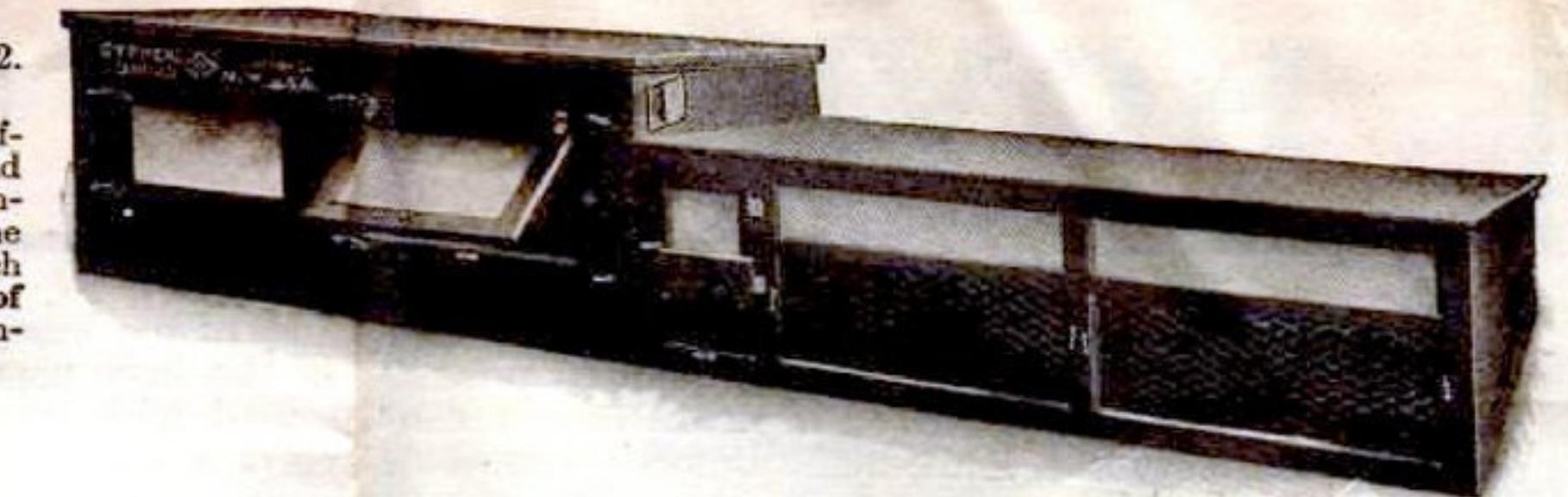


HOVER AND LAMP EASILY CARED FOR
—WIND-PROOF

Lamp Can Be Removed and Replaced While Door, Window or Chick Exit (or all three!) are Wide Open and Flame Cannot Suck Out. Flame is Viewed Through Mirror Attachment Without Raising Gravity Door. Hover is Warrented To Be Fire-Proof and is Self-Regulating and Self-Ventilating, No Matter Where Used.



ADAPTABLE HOVER IN COLONY HOUSE
(Front of House Removed)
Shows Use of Hover In Any Low-Cost Style of Shed-Roof Poultry House or Colony Roosting Coop, Large or Small. All-Metal, Fire-Proof Brooding Hover Can Be Installed or Removed In One to Three Minutes' Time. When Hover Section Is Taken Out the Chicks Are Left to Roost In Quarters To Which They Are Accustomed.



CYPHERS STYLE B OUTDOOR BROODER,

IN USE WITH CYPHERS 6 x 3-FOOT CHICK SHELTER.

Here is a Combination That Cannot Be Exceeded for Raising Chicks In Health and Safety—Method By Which the Chicks Are Under Complete Control and Entirely Safe from Cats, Rats, Etc.

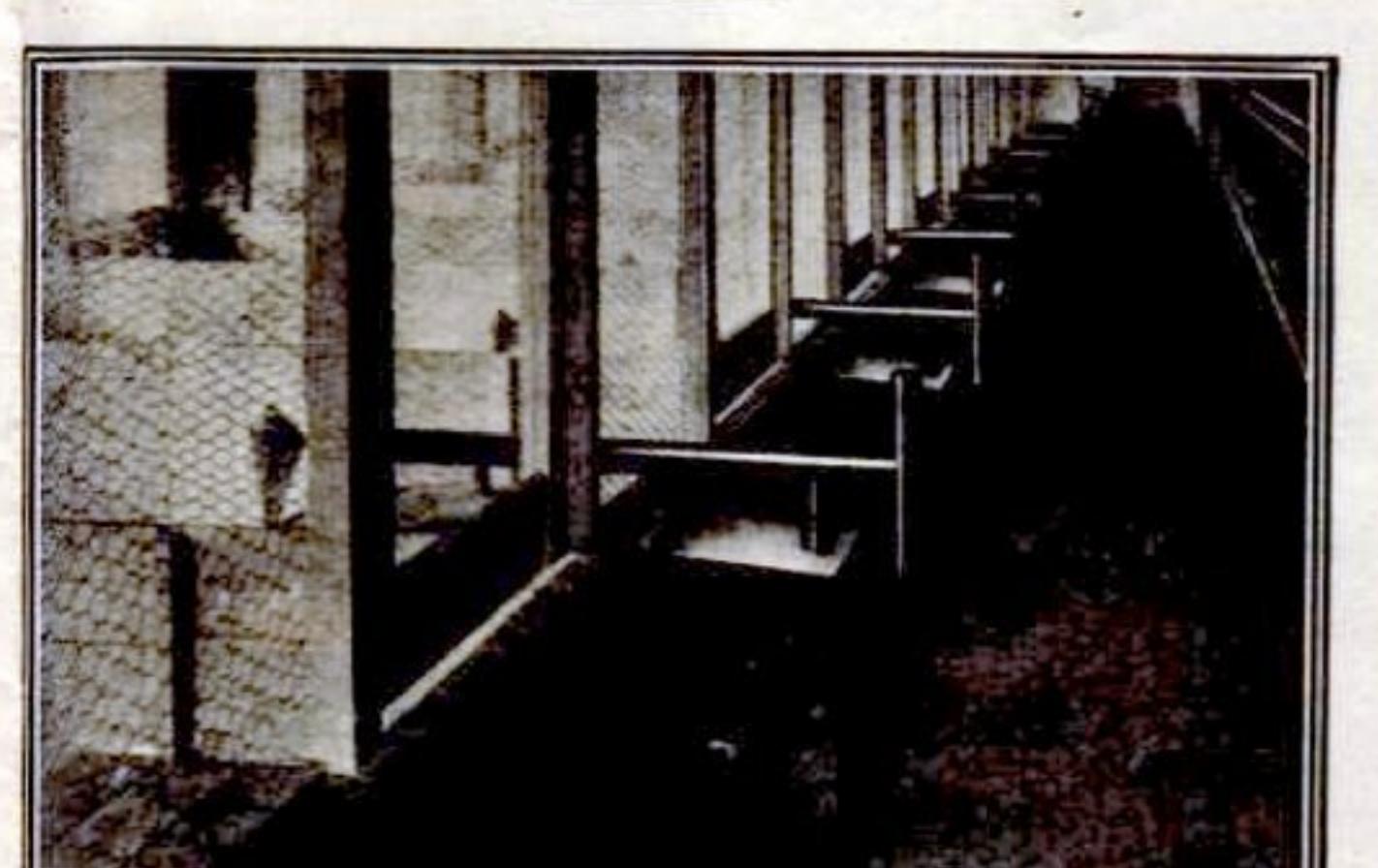
ADAPTABLE HOVERS PROVED OUT BEST

ROCKBROOK FARM, BREVARD, N. C., June 30, 1911.

Cyphers Incubator Company, Buffalo, N. Y.

In the season of 1895 we installed a hot-water pipe system in our brooder house, and since that time we have raised as many as 1,400 chicks in a season in fireless brooders. Desiring to install a new system that would better meet our present requirements we bought brooding devices this spring from different manufacturers so that we could compare the merits of each. Among these new devices were two of your Adaptable Hovers. We operated one in a colony house 8 x 12 feet in size, and the other in a tent, as all of our covered space was occupied. Our experience with the Adaptable Hovers has demonstrated that your devices give better results than either the continuous hot-water brooder or the fireless brooder, which we have used heretofore. The chicks reared with your Adaptable Hovers are more vigorous and it requires less labor to raise the chicks this way. In fact, we can say that the Adaptable Hovers have given us entirely satisfactory service. They are well made, handy to work with, self-regulating and are comfortable for the chicks. We usually put about 50 chicks in a hover, cut off the heat in three or four weeks and then move the chicks to colony houses when about six weeks old.

ROCKBROOK FARM,
H. P. Clark, Proprietor.



INDIVIDUAL BROODING IN BROODER HOUSE

View (From Photograph) of Fire-Proof Heaters and Standard Adaptable Hovers In Use In Brooder House On Cyphers Company Poultry Farm, Buffalo, N.Y. House Is Supplied With Auxiliary Heat From the Hot Water Pipes Located Waist High Along Rear Wall of House. By Use of This System, One Brooding Device, or Two, or a Dozen Can Be Started When Needed, Thus Avoiding Waste of Fuel.

CYPHERS INCUBATOR COMPANY

Factory and Home Offices: BUFFALO, N. Y.

Branch Offices and Warehouses: NEW YORK, N. Y. BOSTON, MASS. CHICAGO, ILL. KANSAS CITY, MO. OAKLAND, CAL. LONDON, ENGLAND.
23 Barclay St. 12-14 Canal St. 329-331 Plymouth Court 317-319 Southwest Boulevard 2127-2131 Broadway 121-123 Finsbury Pavement